TABLE OF CONTENTS

to Volume 82, January–April, 1976

BENADO, MORITZ B., FRANCISCO J. AYALA and MELVIN M. GREEN, Evolution of experimental "mutator" populations of *Drosophila melanogaster* 43–52

COBBS, GARY, Polymorphism for dimerizing ability at the esterase-5 locus in *Drosophila pseudoobscura* 53–62

CONKLING, MARK A., JOHN A. GRUNAU and JOHN W. DRAKE, Gamma-ray mutagenesis in bacteriophage T4 565–575

COREY, L. A., D. F. MATZINGER and C. CLARK COCKERHAM, Maternal and reciprocal effects on seedling characters in *Arabidopsis thaliana* (L.) Heynh 677–683

DANIEL, WILLIAM L., Genetics of murine liver and kidney arylsulfatase B 477–491

DOONER, H. K. and J. L. KERMICLE, Displaced and tandem duplications in the long arm of chromosome 10 in maize 309–322

DUBOVOY, CELIA, A class of genes affecting *B* factor-regulated development in *Schizophyllum commune* 423–428

EDWARDSON, J. R., D. A. BOND and R. G. CHRISTIE, Cytoplasmic sterility factors in *Vicia faba* L. 443–449

FELDMAN, JERRY F. and MARIAN N. HOYLE, Complementation analysis of linked circadian clock mutants of *Neurospora crassa* 9–17

FISCHOFF, DAVID, DOUGLAS MACNEIL and NANCY KLECKNER, Terminal redundancy heterozygotes involving the first-step-transfer region of the bacteriophage T5 chromosome 145–159

GILLESPIE, JOHN and CHARLES LANGLEY, Multilocus behavior in random environments. I. Random levene models 123–137

GOODENOUGH, URSULA W., CAROL HWANG and HOWARD MARTIN, Isolation and genetic analysis of mutant strains of *Chlamydomonas reinhardi* defective in gametic differentiation 169–186

GRIFFING, B., Selection in reference to biological groups. V. Analysis of full-sib groups 703–722

GRIFFING, B., Selection in reference to biological groups. VI. Use of extreme forms of nonrandom groups to increase selection efficiency 723–731

HAMMER, C. H., E. G. BUSS and C. O. CLAGETT, Avian riboflavinuria. IX. Qualitative action of a mutant gene in chicken on riboflavin-binding protein synthesis 467–476

HOWE, H. BRANCH, JR. and T. E. JOHNSON, Phenotypic diversity among alleles at the *per-1* locus of *Neurospora crassa* 595–603

KÄFER, ETTA, Mitotic crossing over and nondisjunction in translocation heterozygotes of Aspergillus 605–627

KASSIR, YONA and GIORA SIMCHEN, Regulation of mating and meiosis in yeast by the mating-type region 187–206

KOLTIN, Y. and P. R. DAY, Suppression of the killer phenotype in *Ustilago maydis* 629–637

KUNZ, W. and U. SCHAFER and A. GERBER, Variations in the number of the *Y* chromosomal rRNA genes in *Drosophila hydei* 25–34

LAWRENCE, CHRISTOPHER W. and ROSHAN CHRISTENSEN, UV mutagenesis in radiation-sensitive strains of yeast 207–232

LIEBMAN, SUSAN W. and FRED SHERMAN, Inhibition of growth by amber suppressors in yeast 233–249

LIEBMAN, SUSAN W., FRED SHERMAN and JOHN W. STEWART, Isolation and characterization of amber suppressors in yeast 251–272

MAGUIRE, MARJORIE P., Clustering of specific crossovers in maize microsporocytes 19–24

MANNEY, THOMAS R. and VERNA WOODS, Mutants of *Saccharomyces cerevisiae* resistant to the α mating-type factor 639–644

MARCHELLI, C., P. GHELARDINI and S. NASI, Deletions induced by heat treatment of *E. coli* K12 lysogenic for λ prophages 161–168

MCDERMIT, MATTHEW, MARK PIERCE, DARRELL STALEY, MICHAEL SHIMAJI, RICHARD SHAW and DANIEL L. WULFF, Mutations masking the lambda *cin-1* mutation 417–422

McKenzie, J. A., The release of a compound-chromosome stock in a vineyard cellar population of *Drosophila melanogaster* 685–695

Mitra, S., More on Nei and Roychoudhury's sampling variances of heterozygosity and genetic distance 543–545

Moav, R. and G. Wohlfarth, Two-way selection for growth rate in the common carp (*Cyprinus carpio* L.) 83–101

Perlman, Philip S., Genetic analysis of petite mutants of *Saccharomyces cerevisiae*: transmissional types 645–663

Powell, Jeffrey R., Theodosius Dobzhansky, James E. Hook and Harry E. Wistrand, Genetics of natural populations. XLIII. Further studies on rates of dispersal of *Drosophila pseudoobscura* and its relatives 493–506

Stahl, Franklin W. and Mary M. Stahl, On recombination between close and distant markers in phage lambda 577–593

Stalker, Harrison D., Chromosome studies in wild populations of *D. melanogaster* ... 323–347

Singh, Rama S., Substrate-specific enzyme variation in natural populations of *Drosophila pseudoobscura* 507–526

Strobeck, C., J. Maynard Smith and B. Charlesworth, The effects of hitchhiking on a gene for recombination 547–558

Templeton, Alan R., Hampton L. Carson and Charles F. Sing, The population genetics of parthenogenetic strains of *Drosophila mercatorum* II. The capacity for parthenogenesis in a natural, bisexual population 527–542

Templeton, Alan R., Charles F. Sing and Barbara Brokaw, The unit of selection in *Drosophila meracatorum*. I. The interaction of selection and meiosis in parthenogenetic strains 349–376

VedBrat, Sharanjit S. and Gregory S. Whitt, Linkage relationships and chromosome assignment of four esterase loci in the mosquito *Anopheles albimanus* 451–466

Wallace, Bruce and Thomas L. Kass, On inverted repeat sequences in chromosomal DNA 139–140

Ward, R. H. and James V. Neel, The genetic structure of a tribal population, the Yanomama Indians. XIV. Clines and their interpretation 103–121

Watanabe, Takao K., Osamu Yamaguchi and Terumi Mukai, The genetic variability of third chromosomes in a local population of *Drosophila melanogaster* 63–82

Watanabe, Takao K. and Tsuneyuki Yamazaki, Evidence for coadaptation: Negative correlation between lethal genes and polymorphic inversions in *Drosophila melanogaster* 697–702

Westergaard, Mogens, ØJVIND WINGE 1–7

Whitt, Gregory S., William F. Childers, James B. Shaklee and Janet Matsumoto, Linkage analysis of the multilocus glucosephosphate isomerase isozyme system in sunfish (Centrarchidae, Teleostii) 35–42

Wickner, Reed B., Mutants of the killer plasmid of *Saccharomyces cerevisiae* dependent on chromosomal diploidy for expression and maintenance 273–285

Wickner, Reed B. and Michael J. Leibowitz, Two chromosomal genes required for killing expression in killer strains of *Saccharomyces cerevisiae* 429–442

Williams, Keith L. and Peter C. Newell, A genetic study of aggregation in the cellular slime mould *Dictyostelium discoideum* using complementation analysis .. 287–307

Wills, Christopher and Charles Miller, A computer model allowing maintenance of large amounts of genetic variability in Mendelian populations. II. The balance of forces between linkage and random assortment 377–399

Womack, James E. and Mark Sharp, Comparative autosomal linkage in mammals: Genetics of esterases in *Mus musculus* and *Rattus norvegicus* 665–675

Wulff, Daniel L., Lambda *cin-1*, a new mutation which enhances lysogenization by bacteriophage lambda, and the genetic structure of the lambda *cy* region 401–416